Index of Claims

| App | lication | No. |
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09/683,395

Examiner

Bertrand Zeade

Applicant(s)

SOMMERS ET AL.

Art Unit

2875

√ Rejected
= Allowed

| ı | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla                    | im                                     |          |            |  |  | Date         | ,        |  |              | $\neg$   |
|------------------------|--|----------|------------|--|--|--------------|----------|--|--------------|--|
| Final                  | Original                               | 4/30/04  | 11/10/04   |  |  |              |          |  |              |  |
| 1_                     | 1                                      | v        | =          |  |  |              |          |  |              |  |
| -0                     | 2                                      | -        | -          |  |  |              |          |  |              |  |
| 2                      | 1<br>2<br>3                            | v        | =          |  |  |              |          |  |              |  |
| 3                      | 4                                      | v        | =          |  |  |              |          |  |              |  |
| 4                      | 5                                      | v        | =          |  |  |              |          |  |              |  |
| 5                      | 6                                      | v        | =          |  |  |              |          |  |              |  |
| 2<br>3<br>4<br>5<br>-0 | 7                                      | -        | -          |  |  |              |          |  |              |  |
| 6<br>7                 | 8                                      | ٧        | =          |  |  |              |          |  |              |  |
| 7                      | 9                                      | =        | =          |  |  |              |          |  |              |  |
| -0                     | 10                                     | ٧        | =          |  |  |              |          |  |              |  |
| -0                     | 11                                     | ٧        | -          |  |  |              |          |  |              |  |
| -0                     | 12                                     | -        | -          |  |  |              |          |  |              |  |
| -0                     | 13                                     |          | -          |  |  | _            | Ш        |  |              |  |
| -0                     | 10<br>11<br>12<br>13<br>14<br>15<br>16 | -        | <u>  -</u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | L  |              |          |  |              |  |
| -0<br>-0               | 15                                     | Ŀ        | -          |  |  |              |          |  | _            |  |
| -0                     | 16                                     | ·        | -          |  | _:   |              |          |  |              |  |
| 9                      | 17                                     | V        | =          | _  | _  |              |          |  |              |  |
| -0                     | 17<br>18<br>19<br>20                   | -        | <u>  -</u> |  | L  |              |          |  |              |  |
| 10                     | 19                                     | <u>v</u> | =          |  | <u> </u>   |              |          |  |              |  |
| 11                     | 20                                     | <u>_</u> | =          | _  | _  | _            | Ш        |  |              | _  |
|                        | 21<br>22                               |          |            | 匚  | _  | <u> </u>     | Ш        |  |              |  |
| -                      | 22                                     | -        | ┡          | <u> </u>   | -  | _            | $\vdash$ |  | -            | <u> </u>   |
|                        | 23<br>24<br>25                         | ₩        | ⊢          | <u> </u>   | <del> </del> —                                   |              | H        | -  |              | _  |
|                        | 24                                     | ļ        | ⊬          | ├  | <u> </u>   | $\vdash$     |          |  | -            | ├-   |
| <u></u>                | 25                                     | ļ        | ├          | ⊢  |  | -            |          | <u> </u>   | _            | -  |
| <u> </u>               | 26                                     |          | ├          | ⊢  |  | -            | -        |  |              | -  |
| <u> </u>               | 27<br>28                               |          | ├          | ┝  | -  |              |          | -  | _            | -  |
|                        | 20                                     | ⊢        | ├          | ┢  |  |              |          | $\vdash$   | -            |  |
|                        | 29<br>30                               | ┢        | -          | $\vdash$   | ┢  |              | -        | $\vdash$   | -            |  |
|                        | 31                                     | ┝╌       | +-         | $\vdash$   | ├  |              |          | ┢  |              | $\vdash$   |
|                        | 32                                     | +        | +          |  | ├  | -            | $\vdash$ | $\vdash$   |              | $\vdash$   |
| <b>-</b>               | 33                                     | 1-       | t          | $\vdash$   | <del>                                     </del> | 1            | H        | $\vdash$   | ╌            | H  |
| <b>-</b>               | 34                                     | t        |            | <del>                                     </del> | 1  | t            | Г        | <del>                                     </del> |              | $\vdash$   |
| <u> </u>               | 35                                     | t        | 1          | <b>†</b>   | T  | t            | Г        |  | 一            | <del>                                     </del> |
|                        | 36                                     | t        | 1          | T  | T  | T            | T        | Ι_   | Г            | $\vdash$   |
|                        | 37                                     | Π        | $\vdash$   | 1  |  |              |          | <u> </u>   |              | Γ  |
|                        | 38                                     |          | 1          |  |  |              | 1        | Γ  | Г            |  |
|                        | 39                                     | Π        | T          | T  |  | Ι_           |          |  |              |  |
|                        | 40                                     | 1        |            |  |  |              |          |  | L            |  |
|                        | 41                                     |          |            |  |  |              |          |  |              |  |
|                        | 42                                     |          |            |  |  |              |          |  |              |  |
|                        | 43                                     |          |            |  | 匚  |              |          |  | $\Box$       |  |
|                        | 44                                     |          |            |  |  |              |          |  |              |  |
|                        | 45                                     |          |            |  |  |              |          | $\Box$   |              |  |
|                        | 46                                     |          |            |  |  |              | L        | Ĺ  | <u></u>      | <u> </u>   |
|                        | 47                                     |          |            | L  | _  |              |          |  |              |  |
|                        | 48                                     |          |            |  |  |              | _        | _  | $oxed{oxed}$ | <u> </u>   |
|                        | 49                                     | ļ        | 1          | _  | $\perp$  | <del> </del> | _        | _  | _            | 1  |
|                        | 50                                     |          | 1          | 1  |  | 1            | 1        |  |              | 1  |

| Claim        |                      |  |  |                | [            | Date   |  |          |              |          |
|--------------|----------------------|--|--|----------------|--------------|--|--|----------|--------------|----------|
|              |                      |  |  |                |              |  |  |          |              |          |
| =            | na                   |  |  |                |              |  |  |          |              | l        |
| Final        | ij                   |  |  |                |              |  |  |          |              |          |
| ш            | Original             | ļ  |  |                |              |  |  |          |              |          |
|              |                      |  |  |                |              |  |  | _        |              |          |
|              | 51<br>52<br>53       |  |  | _              | _            |  |  |          |              |          |
|              | 52                   |  |  | l              |              |  |  |          |              |          |
|              | 53                   |  |  |                |              |  |  |          |              |          |
|              | 54<br>55             |  |  |                | _            |  |  |          | Г            |          |
|              | 55                   |  |  |                |              |  |  |          |              |          |
|              | 56                   | -  |  |                | H            | -  | _  |          |              | Н        |
|              | 57                   |  |  | H              | $\vdash$     |  | _  |          |              | Н        |
|              | 57<br>58             |  |  | <u> </u>       |              | <del> </del>                                     | _  |          |              | Н        |
|              | 58                   |  |  |                |              |  |  |          |              | Н        |
|              | 59                   | _  |  |                |              | <u> </u>   |  |          |              | Ш        |
|              | 60                   |  |  |                |              |  |  |          |              | Ш        |
|              | 61                   |  |  |                |              |  |  |          |              |          |
|              | 62                   |  |  |                |              |  |  |          |              |          |
|              | 63                   | Г  |  |                |              |  |  |          |              |          |
|              | 64                   |  | <u> </u>   | T              |              |  |  |          |              | П        |
| <del></del>  | 65                   | $\vdash$   |  | $\vdash$       | $\vdash$     | $\vdash$   | _  |          | $\vdash$     | Н        |
| <del> </del> | 66                   | $\vdash$   |  | <del> </del> — | $\vdash$     |  | -  |          | $\vdash$     |          |
| <u> </u>     | 00                   | _  | ├  | <u> </u>       |              |  |  |          | ⊢            |          |
|              | 67                   |  | ļ  | <u> </u>       | ┝            |  | <u> </u>   |          | ⊢            |          |
|              | 68<br>69             |  | <u> </u>   | _              | L.           | _  | <u> </u>   |          | _            |          |
|              | 69                   |  |  |                |              |  | _  | _        | _            |          |
|              | 70                   | l  |  |                |              |  |  |          |              |          |
|              | 71<br>72<br>73       |  |  |                |              |  |  |          |              |          |
|              | 72                   |  |  | Г              |              |  |  |          |              | П        |
|              | 73                   |  |  |                |              |  |  |          |              | Г        |
|              | 74                   | $\vdash$   |  | ┢              | ١            | -  |  | _        |              | $\vdash$ |
|              | 75                   | -  |  | ┢╾             |              | ┢  | -  | -        | 1            | $\vdash$ |
|              | 74<br>75<br>76<br>77 | -  | -  | $\vdash$       |              | ┢  | $\vdash$   |          | -            | $\vdash$ |
|              | 10                   |  | -  | -              | -            | 1  | ⊢  |          | ⊢            | -        |
| <u> </u>     | 177                  |  | <u> </u>   | L              |              | ├  | $\vdash$   |          | ⊢            | -        |
| L            | 78                   |  |  | _              | L            | L.   | ļ  |          | <u> </u>     | _        |
|              | 79                   |  | L.,  | _              | L            | <u> </u>   |  |          |              | <u> </u> |
|              | 80                   |  |  |                | <u> </u>     |  |  |          | l            |          |
|              | 81                   |  | П  |                | Γ            |  |  |          |              |          |
|              | 82                   | Г  |  |                |              |  |  |          |              |          |
|              | 82<br>83             | <del>                                     </del> | <del>                                     </del> |                | 1            |  |  |          | Τ            |          |
|              | 84                   | <del>                                     </del> | t  | t              |              |  | ┢  | _        | T            | 1        |
| <u> </u>     | 85                   |  |  | +-             | $\vdash$     | <del>                                     </del> | <del>                                     </del> | -        | $\vdash$     | $\vdash$ |
| <u> </u>     | 00                   | $\vdash$   | <del> </del>                                     | +-             | $\vdash$     | $\vdash$   | -  | -        | $\vdash$     | $\vdash$ |
| <u> </u>     | 86                   | ├-   | ₩  | -              | $\vdash$     | +-   | ╁  |          | $\vdash$     | $\vdash$ |
| <u> </u>     | 87                   | $\vdash$   | ├  | +              | $\vdash$     | ┼  |  |          | ₩            | ┼        |
| <u></u>      | 88                   | $\vdash$   | <u> </u>   | 1_             | <u> </u>     | <u> </u>   | ↓  | _        | <u> </u>     | ├        |
| <u></u>      | 89                   | _  | <u> </u>   | ↓_             | _            | $\vdash$   | ļ  | _        | 1            | _        |
|              | 90                   | L  | L  | L              | L            | L  |  |          | $oxed{oxed}$ |          |
|              | 91                   |  |  |                | $\Box$       |  |  |          | $L^{-}$      |          |
|              | 92                   |  | 1  |                |              | 1  | l  |          |              |          |
|              | 93                   |  | Т  | T              |              | T  |  |          | Τ            | 1        |
|              | 94                   | H  | т  | $^{+}$         | <del> </del> | t  | t  | 1        | $t^-$        | T        |
|              | 95                   | $\vdash$   | 1-   | +              | +            | $\vdash$   | +-   | 1-       | +-           | +        |
| ⊢            |                      | ┼  | ┼—   | +-             | $\vdash$     | +  | ┰  | $\vdash$ | +            | +        |
| <u> </u>     | 96                   | ₩  | 1  | -              | ┼-           | ┼-   | ┼  | ├        | ╄-           | ┼        |
|              | 97                   | <u> </u>   | ↓_   | 1              | 4            | $\vdash$   |  | ⊢        | $\vdash$     | ₩        |
|              | 98                   | $\perp$  |  | _              | _            | <u> </u>   | <u> </u>   | <u> </u> | $\vdash$     | ↓_       |
| L_           | 99                   | L  |  |                |              | _  | $\perp$  | <u>L</u> | $\perp$      | $\perp$  |
|              | 100                  |  |  |                | Γ            |  | L  | L        | L            | $L^{-}$  |
|              |                      |  |  | •              | •            |  | _  | _        |              |          |

| Cla      | aim               | _  |              |  |  | ate      | <del></del>      |  |  |               |
|----------|-------------------|--|--------------|--|--|----------|------------------|--|--|---------------|
|          |                   |  |              |  |  |          |                  |  |  |               |
| <u>_</u> | Original          |  |              |  |  |          | ł                |  |  |               |
| Final    | iĝi               |  |              |  |  |          | -                |  |  |               |
|          | ō                 |  |              |  |  |          | 1                |  | 1  |               |
|          |                   | _  | _            | _  |  |          | -                | -  |  |               |
|          | 101<br>102        | $\dashv$   |              | _  | _  | $\dashv$ |                  |  | $\dashv$   |               |
|          | 102               | _  |              |  |  |          | $\dashv$         | -  | $\dashv$   | $\dashv$      |
| $\vdash$ | 103               |  |              |  | _  |          |                  | _  | $\dashv$   | _             |
| <u> </u> | 104<br>105        |  |              |  |  |          | _                | _  | _  |               |
|          | 105               |  |              |  |  |          |                  |  | _  |               |
|          | 106               |  |              |  |  |          |                  | _  |  |               |
|          | 107               |  |              |  |  |          |                  |  |  |               |
|          | 108               |  |              |  |  |          |                  |  |  |               |
|          | 109               |  |              |  |  |          |                  |  |  |               |
|          | 110               |  |              |  |  |          |                  |  |  |               |
|          | 111               |  |              |  |  |          |                  |  |  |               |
|          | 112               |  |              |  |  |          |                  |  |  |               |
|          | 112<br>113        | Ī.   |              |  |  |          |                  |  |  |               |
|          | 114               |  |              |  |  |          |                  |  |  |               |
|          | 114<br>115<br>116 |  |              | $\vdash$   | Ι  |          |                  |  |  |               |
| _        | 116               |  |              | $\vdash$   | _  |          |                  |  |  | _             |
|          | 117               | 1  |              | ┢  | _  |          |                  |  | -  | -             |
|          | 118               |  |              |  | -  |          |                  |  |  |               |
| <b>—</b> | 118<br>119        | <u> </u>   | $\vdash$     | ├  |  | $\vdash$ |                  | -  |  |               |
| -        | 120               | <u> </u>   | -            | $\vdash$   |  | $\vdash$ |                  | -  |  | $\vdash$      |
|          | 120<br>121<br>122 |  | -            | $\vdash$   | $\vdash$   |          |                  |  |  | <del></del> - |
|          | 121               | -  | $\vdash$     |  |  | H        |                  | -  |  | <u> </u>      |
| -        | 122               | -  | <u> </u>     |  | -  | $\vdash$ | $\vdash$         | $\vdash$   | -  | <del> </del>  |
|          | 123               | _  | $\vdash$     | <u> </u>   | -  | -        | H                | <u> </u>   |  | <u> </u>      |
| <u></u>  | 123<br>124<br>125 | <u> </u>   | $\vdash$     | <u> </u>   | <u> </u>   | <u> </u> | <u> </u>         | <u> </u>   |  | -             |
| <u> </u> | 125               | ⊢-   | -            |  | <u> </u>   | <u> </u> | $\vdash$         | $\vdash$   | H  |               |
| <u></u>  | 126<br>127        | <u> </u>   | Ŀ            | <u> </u>   | <u> </u>   | <u> </u> | <u> </u>         | <u> </u>   | $\vdash$   | <u> </u>      |
|          | 127               | <u> </u>   | <u> </u>     | <b> </b>   |  | <u> </u> | _                | <u> </u>   | L  | <u> </u>      |
|          | 128               | _  | L_           | L_   | <u> </u>   | <u> </u> | _                | <u> </u>   | L  | ļ             |
|          | 129<br>130        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | _            |  | <u></u>  |          |                  | <u> </u>   | L  | L             |
|          | 130               | $\Box$   |              | L  | _  |          |                  | <u> </u>   | <u> </u>   |               |
|          | 131<br>132        | L  |              |  |  | oxdot    | oxdot            | _  |  |               |
|          | 132               |  |              |  | Ĺ  | L        | $L^{-}$          | L  |  | L             |
|          | 133               |  |              |  |  |          |                  |  |  |               |
|          | 134               |  |              |  |  | Γ        |                  |  |  |               |
|          | 135               | Π  |              | Π  | Π  |          |                  |  |  |               |
|          | 134<br>135<br>136 |  |              | Г  | 1  |          |                  | Γ  |  |               |
|          | 137               |  |              |  | T  | T        |                  | Г  | <del>                                     </del> |               |
|          | 137<br>138        | T  | Т            | T  | T  | Г        |                  | Г  |  |               |
| -        | 139               | t  |              | t  | $\vdash$   | 1        | t                |  |  |               |
|          | 140               | <del>                                     </del> | $\vdash$     | t  | <del>                                     </del> | $\vdash$ | T                | <del>                                     </del> |  |               |
| $\vdash$ | 141               | +  | ├            | <del>                                     </del> | $\vdash$   | t        |                  | $\vdash$   | $\vdash$   | 1-            |
| -        | 142               | $\vdash$   | ├-           | ├-   | +-   | $\vdash$ | $\vdash$         | -  | <del> </del>                                     | +-            |
|          | 142               | +  | <del> </del> | ┼  | $\vdash$   | $\vdash$ | <del>  -  </del> | <del> </del>                                     | $\vdash$   | $\vdash$      |
|          | 143               | $\vdash$   | ├-           | ╀  | $\vdash$   | ├-       | -                | -  | $\vdash$   | $\vdash$      |
| -        | 144               | $\vdash$   | $\vdash$     | $\vdash$   | ┼  | ├        | ├-               | <del> </del>                                     | <del> </del>                                     |               |
| <u> </u> | 145               | ┼  | ├            | 1  | <del> </del>                                     | $\vdash$ | ⊢                | ــــ   | ├—   |               |
| <u> </u> | 146               | 1  | ـ            | ₩  | _  | _        | <u> </u>         | <del> </del>                                     | ┡  |               |
| <u> </u> | 147               | ـ  | ↓_           | 1  | <u> </u>   | 1_       | L                | lacksquare                                       | $\vdash$   | <u> </u>      |
|          | 148               | 1  | <u> </u>     | <u> </u>   | $\vdash$   | <u> </u> | _                | <u> </u>   | _  | <u> </u>      |
|          | 149               | ┖  |              | _  | <u> </u>   | <u>_</u> | _                | $oxed{oxed}$                                     |  | _             |
|          | 150               | L  | L            | <u>L</u> _                                       | L  | <u> </u> |                  | <u></u>  |  | _             |